| | Application No. | Applicant(s) |
|---|---|---|
| ***Notice of Allowability*** | 10/813,526 | AKAGI, TAKUMA |
| | Examiner | Art Unit | |
| | Samir A. Ahmed | 2623 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *phone interview on 6/21/05*.

2. ☒ The allowed claim(s) is/are *21-28 (now renumbered 1-8 for issue)*.

3. ☒ The drawings filed on *3/30/04* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All    b) ☐ Some*    c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

           International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

## EXAMINER'S AMENDMENT

1.      An examiner's amendment to the record appears below.  Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312.  To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

2.      Authorization for the following Examiner's amendment was given in a telephone

interview with Paul M. McGinley (reg. # 55,443) on 6/21/05, acting as applicants

representative, authorized the following amendment:

Please amend claims 21 and 25 as follows:

21.     (Currently Amended) A character string matching apparatus for effecting a

process for matching between a first character string, which comprises a plurality of

characters as a result of a recognition of characters, and a second character string,

which comprises a plurality of characters stored in a dictionary in advance, comprising:

a first table comprising a matrix of cells of rows and columns for specifying types

of the characters appearing in the first character string and orders of the characters

appearing in the first character string;

a second table comprising a one-row memory for voting for each second

character sting, in which a calculated value of each of the components of various types

of second character strings to be matched with respect to the first character string in the

direction of the second character string is stored, the second table is provided with a link

for the first table based on the type of each character in the second character string and

the orders of appearance and types of the characters specified by the first table,

wherein the link indicates the memory address of the voting position in the second table;

voting means for casting a vote to the second table with respect to each of the

characters of the first character string which has been input based on a correspondency

of the first table with the second table; and

determining means for determining whether or not the first character string and

the second character string are matched based on a result of voting to the second table

as a result of the voting by said voting by the voting means executed with respect to all

of the characters of the first character string.

25.    (Currently Amended) A character string matching method for effecting a

process for matching between a first character string, which comprises a plurality of

characters as a result of a recognition of characters, and a second character string,

which comprises a plurality of characters stored in a dictionary in advance, comprising:

specifying types of the characters appearing in the first character string and

orders of the characters appearing in the first character string by a first table comprising

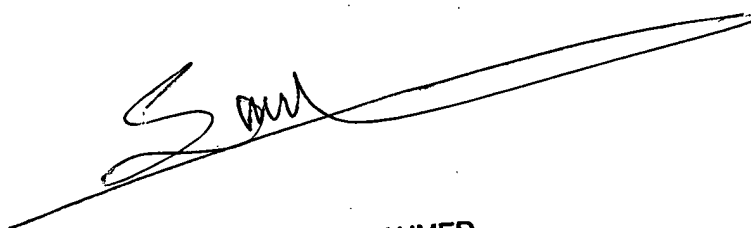a matrix of cells of rows and columns;

providing a second table comprising a one-row memory for voting for each

second character string, in which a calculated value of each of the components of

various types of second character strings to be matched with respect to the first

character string in the direction of the second character string is stored, and a link for

the first table based on the type of each character in the second character string and the

orders of appearance and types of the characters specified by the first table, wherein

the link indicates the memory address of the voting position in the second table;

casting a vote to the second table with respect to each of the characters of the

first character string which has been input, based on a correspondency of the first table

with the second table; and

determining whether or not the first character string and the second character

string are matched based on the result of voting to the second table as a result of the

voting by said voting by the voting means executed with respect to all of the characters

of the first character string.

SAMIR AHMED
PRIMARY EXAMINER

## REASONS FOR ALLOWANCE

3.      The following is an examiner's statement of reasons for allowance: A terminal disclaimer has been provided to overcome a nonstatutory double patenting rejection over claims 1-12 of U.S. Patent No. 6,738,515.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee.  Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

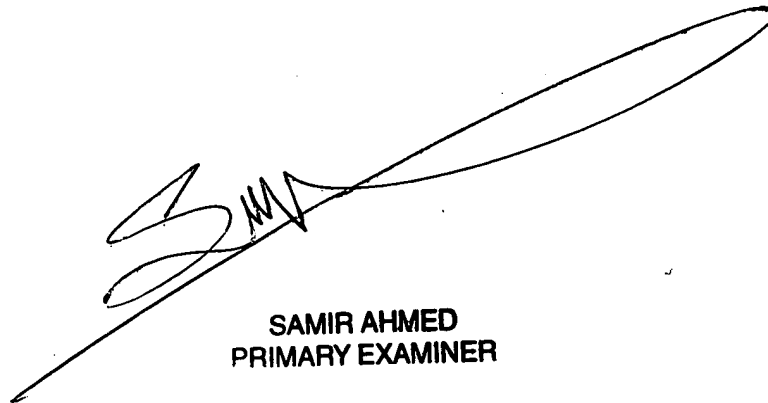4.      Claims 21-28 (now renumbered 1-8 for issue) are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samir A. Ahmed whose telephone number is (571) 272-7413.  The examiner can normally be reached on Mon-Fri  8:30am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amelia Au can be reached on (571) 272-7414.  The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SA

**SAMIR AHMED**
**PRIMARY EXAMINER**